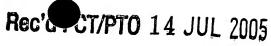


PCT



INTERNATIONAL SEARCH REPORT

10/542378

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220							
PH-18194-PCT	ACTION	as well as, where applicable, item 5 below.							
International application No.	International filing date (day/mor	nth/year) (Earliest) Priority Date (day/month/year)							
PCT/KR2003/002851	26 DECEMBER 2003 (26.12	2.2003) 15 JANUARY 2003 (15.01.2003)							
Applicant									
POSTECH FOUNDATION et al									
	This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This international search report consists of a to	otal of 3 sheets.								
It is also accompanied by a cop	y of each prior art document cited	in this report.							
 Basis of the report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 									
	The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).								
b. With regard to any nucleotide a	ind/or amino acid sequence discl	losed in the international application, see Box No. I.							
2. Certain claims were found un	searchable (See Box No. II)								
3. Unity of invention is lacking (S	See Box No. III)								
4. With regard to the title,									
X the text is approved as submitted	l by the applicant.								
the text has been established by this Authority to read as follows:									
	•								
•									
5. With regard to the abstract,									
the text is approved as submitted									
		athority as it appears in Box No. IV. The applicant							
may, within one month from the	may, within one month from the date of mailing of this international search report, submit comments to this Authority.								
6. With regard to the drawings,		_							
a. the figure of the drawings to be publi	-	o2							
as suggested by the applicant.									
	because the applicant failed to suggest a figure.								
because this figure better characterizes the invention.									
b. none of the figure is to be publish	hed with the abstract.	·							



International application No. PCT/KR2003/002851

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01J 1/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	JP 10-199400 A (FUTABA CORP) 31 July 1998 See the whole documents	1-19
Α	JP 10-199398 A (RICOH CO LTD) 31 July 1998 See the whole documents	1-19
Α	KR 2002-41664 A (LG ELECTRONICS INC) 3 June 2002 See the whole documents	1-19
Α	KR 2002-41665 A (LG ELECTRONICS INC) 3 June 2002 See the whole documents	1-19

	Further documents are I	listed in the continuation of Box C.
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X | See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- O" document referring to an oral disclosure, use, exhibition or other
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
30 MARCH 2004 (30.03.2004)

Date of mailing of the international search report 30 MARCH 2004 (30.03.2004)

Name and mailing address of the ISA/KR



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Facsimile No. 82-42-472-7140

Authorized officer

LEE, Jung Jae

Telephone No. 82-42-481-5745



INTERNATIC AL SEARCH REPORT

Informat

patent family members



International application No. PCT/KR2003/002851

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	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	JP 10-199400 A	31. 07. 1998	NONE	
	JP 10-199398 A	31. 07. 1998	NONE	
	KR 2002-41664 A .	03. 06. 2002	NONE	
	KR 2002-41665 A	03. 06. 2002	NONE	
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